

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061919\
 Data File : VN056375.D
 Acq On : 19 Jun 2019 10:02
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMD
 adoda
 6/21/2019 10:52:07
 PM

Quant Time: Jun 20 04:28:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 04:07:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	365585	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	562795	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	501880	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	217202	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	204809	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
35) Dibromofluoromethane	7.59	113	178799	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	
50) Toluene-d8	10.09	98	691976	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	
62) 4-Bromofluorobenzene	12.40	95	235155	51.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	156883	49.490	ug/l	100
3) Chloromethane	2.06	50	204599	48.002	ug/l	100
4) Vinyl Chloride	2.18	62	201071	48.070	ug/l	100
5) Bromomethane	2.52	94	124481m	51.455	ug/l	
6) Chloroethane	2.68	64	117762m	49.218	ug/l	
7) Trichlorofluoromethane	3.00	101	256956	47.893	ug/l	100
8) Diethyl Ether	3.41	74	108100	50.300	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	161966	46.613	ug/l	100
10) Methyl Iodide	3.95	142	237535	52.933	ug/l	100
11) Tert butyl alcohol	4.80	59	169703	261.574	ug/l	100
12) 1,1-Dichloroethene	3.73	96	160290	47.671	ug/l	100
13) Acrolein	3.60	56	142063	566.052	ug/l	100
14) Allyl chloride	4.32	41	271673	48.279	ug/l	100
15) Acrylonitrile	4.99	53	470629	255.437	ug/l	100
16) Acetone	3.82	43	497232	224.152	ug/l	100
17) Carbon Disulfide	4.05	76	368662	42.022	ug/l	100
18) Methyl Acetate	4.32	43	192679	39.665	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	526131	50.956	ug/l	100
20) Methylene Chloride	4.55	84	192393	48.208	ug/l	100
21) trans-1,2-Dichloroethene	5.04	96	171899	48.120	ug/l	100
22) Diisopropyl ether	5.95	45	559415	50.186	ug/l	100
23) Vinyl Acetate	5.90	43	2344440	259.033	ug/l	100
24) 1,1-Dichloroethane	5.85	63	319726	49.080	ug/l	100
25) 2-Butanone	6.84	43	681175	249.840	ug/l	100
26) 2,2-Dichloropropane	6.82	77	223948	47.672	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	203696	49.068	ug/l	100
28) Bromochloromethane	7.19	49	160273	49.151	ug/l	100
29) Tetrahydrofuran	7.21	42	411398	252.432	ug/l	100
30) Chloroform	7.37	83	313202	48.346	ug/l	100
31) Cyclohexane	7.65	56	296984	47.297	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	256924	48.026	ug/l	100
36) 1,1-Dichloropropene	7.79	75	240570	47.936	ug/l	100
37) Ethyl Acetate	6.93	43	254098	53.172	ug/l	100
38) Carbon Tetrachloride	7.77	117	212511	44.680	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	296809	48.582	ug/l	100
40) Benzene	8.04	78	742642	48.819	ug/l	100
41) Methacrylonitrile	7.17	41	102516	47.902	ug/l	100
42) 1,2-Dichloroethane	8.12	62	241256	48.412	ug/l	100
43) Isopropyl Acetate	8.17	43	382763	50.155	ug/l	100
44) Trichloroethene	8.83	130	202205	48.782	ug/l	100
45) 1,2-Dichloropropane	9.12	63	200623	49.811	ug/l	100
46) Dibromomethane	9.21	93	127211	47.751	ug/l	100
47) Bromodichloromethane	9.40	83	230210	45.619	ug/l	100
48) Methyl methacrylate	9.20	41	185517	48.527	ug/l	100
49) 1,4-Dioxane	9.20	88	74483	968.445	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	1227122	252.721	ug/l	100
52) Toluene	10.16	92	457047	49.335	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	246539	48.940	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	289737	49.650	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	186406	48.752	ug/l	100
56) Ethyl methacrylate	10.43	69	282561	51.476	ug/l	100
57) 1,3-Dichloropropane	10.71	76	313268	48.693	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	502035	276.709	ug/l	100
59) 2-Hexanone	10.75	43	896885	249.462	ug/l	100
60) Dibromochloromethane	10.90	129	181329	45.998	ug/l	100
61) 1,2-Dibromoethane	11.00	107	194484	49.571	ug/l	100
64) Tetrachloroethene	10.63	164	189615	46.570	ug/l	100
65) Chlorobenzene	11.43	112	495147	48.846	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	174556	46.422	ug/l	100
67) Ethyl Benzene	11.51	91	871991	50.016	ug/l	100
68) m/p-Xylenes	11.62	106	657204	101.468	ug/l	100
69) o-Xylene	11.95	106	320153	50.152	ug/l	100
70) Styrene	11.96	104	538807	52.309	ug/l	100
71) Bromoform	12.13	173	126509	44.178	ug/l #	100
73) Isopropylbenzene	12.25	105	844942	45.575	ug/l	100
74) N-amyl acetate	12.07	43	319364	46.853	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	262148	43.287	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	209911m	45.613	ug/l	
77) Bromobenzene	12.53	156	222480	45.559	ug/l	100
78) n-propylbenzene	12.59	91	927223	47.829	ug/l	100
79) 2-Chlorotoluene	12.67	91	567716	45.955	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	704299	46.694	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	61446	42.536	ug/l	100
82) 4-Chlorotoluene	12.77	91	551021	48.345	ug/l	100
83) tert-Butylbenzene	12.99	119	616821	45.557	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	688230	48.952	ug/l	100
85) sec-Butylbenzene	13.17	105	805186	47.275	ug/l	100
86) p-Isopropyltoluene	13.29	119	714290	49.023	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	358983	48.761	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	340657	48.240	ug/l	100
89) n-Butylbenzene	13.61	91	551800	50.579	ug/l	100
90) Hexachloroethane	13.87	117	110205	39.500	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	359099	49.704	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	40927	44.252	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	164847	54.193	ug/l	100
94) Hexachlorobutadiene	15.01	225	126164	43.701	ug/l	100
95) Naphthalene	15.13	128	438867	53.540	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	178605	54.513	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

